Dial up CCR based on RTM RELB_CDR_030195
file attach1.doc
Changes to provide WWW dial up beginning at Rel A thru an Internet Service Provider, and to defer CHUI support to Rel B

Changes since original submittal:

1) deleted Release A reference (RA) from S-IOS-00730

2) underlined Req_Type in Table 2 for C-ISS-01350 and S-IOS-00730

3) uninverted REQ_KEY and RELEASE columns for S-CLS-13260, 13265, 13300, 15720, and 15790

4) removed underline of L3 ID for IMS-0090#A in Table 3

Table 1: Reference table

L4 ID	RTM key	Rel	L4 Rqmt Text	Clarification	Req Type	L3 ID	RTM key	L3 RbR Text	RbR Type	Interpretation
C-ISS-01350	new	A	The ISS shall provide a dial-up service via an ISP (Internet Service Provider) so that ECS WWW based services can be accessed by authorized users.		interface	IMS-0090#A	5471	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	
C-ISS-01350						IMS-0090#B	4942	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	

S-CLS-13260	2773	A B	The WKBCH CI shall provide a dumb terminal interface with Valid Value lists for all attributes.		functional	IMS-0120#A	5474	The IMS shall provide, dependent upon the user's display device capabilities, a user-friendly interface with the following features at a minimum: a. Multiple window display b. Buttons and pull down menus c. Valid lists for all variables d. An information base of associations between variables (e.g., between instruments and geophysical parameters) f. Context-sensitive help g. Minimal and consistent use of non-standard keys h. Random movement through fields j. Standardized use of commands and terminology across screens k. Self-explanatory, meaningful error messages l. Automatic acronym expansion, which can be enabled and disabled interactively m. Availability of a menu tree diagram n. Command language	functional	A: VALID LISTS FOR VARIABLES FOR ASTER PRODUCTS NOT AVAILABLE
S-CLS-13265	9222	A B	The WKBCH CI Subsystem shall provide ChUI terminal support conforming to VT-100 standards.		functional	IMS-0110#A	5473	The IMS user interface shall support access from dumb terminals, both local and remote, as well as bitmap display workstations that do not support the IMS toolkit.	security	A: ChUI, teletype, and dumb terminal

S-CLS-13300	9221	A ~~B~~	The WKBCH CI shall provide users the capability to access text information as plain text documents for dumb terminals.		functional	IMS-0110#A	~~5473~~	~~The IMS user interface shall support access from dumb terminals, both local and remote, as well as bitmap display workstations that do not support the IMS toolkit.~~	security	~~A: ChUI, teletype, and dumb terminal~~
S-CLS-13300						IMS-0415#A	5499	The IMS shall provide the ability to access and present (dependent on the user's display device capabilities) guide information which includes graphics and hypertext, derivable from suitably structured documents, as well as plain text documents.	functional	A: GUI
S-CLS-13300						IMS-0500#A	5508	The IMS shall provide access to information to include at a minimum: a. Metadata b. Spacecraft housekeeping and ancillary data information f. Processing schedules g. Documentation i. Science Processing Library software j. Documentation on data format and metadata standards	functional	
S-CLS-15720	8311	~~B~~ A	The WKBCH CI shall provide users access to ECS services via a direct connection.		interface	IMS-0090#A	5471	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	
S-CLS-15790	8314	~~B~~ A	The WKBCH CI shall provide users access to ECS WWW based services via dialup link.		interface	IMS-0090#A	5471	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	

S-IOS-00730	new	A	The ADSRV CI shall allow advertisements of services that can be accessed via the WWW.		functional	IMS-0090#A	5471	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	
S-IOS-00730						IMS-0090#B	4942	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	

Table 2: LEVEL_4 changes

L4 ID	RTM key	Rel	L4 Rqmt Text	Clarification	Req Type
C-ISS-01350	new	A	The ISS shall provide a dial-up service via an ISP (Internet Service Provider) so that ECS WWW based services can be accessed by authorized users.		interface
S-CLS-13260	2773	A B	The WKBCH CI shall provide a dumb terminal interface with Valid Value lists for all attributes.		functional
S-CLS-13265	9222	A B	The WKBCH CI Subsystem shall provide ChUI terminal support conforming to VT-100 standards.		functional
S-CLS-13300	9221	A B	The WKBCH CI shall provide users the capability to access text information as plain text documents for dumb terminals.		functional
S-CLS-15720	8311	B A	The WKBCH CI shall provide users access to ECS services via a direct connection.		interface
S-CLS-15790	8314	B A	The WKBCH CI shall provide users access to ECS WWW based services via dialup link.		interface
S-IOS-00730	new	A	The ADSRV CI shall allow advertisements of services that can be accessed via the WWW.		functional

Table 3: REQ_BY_REL changes

L3 ID	RTM key	L3 RbR Text	RbR Type	Interpretation
IMS-0090#A	5471	The IMS shall be accessible to users via, at a minimum: a. Direct connection b. Dial up connection c. Network link	interface	
IMS-0110#A	5473	~~The IMS user interface shall support access from dumb terminals, both local and remote, as well as bitmap display workstations that do not support the IMS toolkit.~~	security	~~A: ChUI, teletype, and dumb terminal~~

Table 4: Links to be added between LEVEL_4 and REQ_BY_REL

L3 ID	L4 ID
IMS-0090#A	C-ISS-01350
IMS-0090#B	C-ISS-01350
IMS-0090#A	S-CLS-15720
IMS-0090#A	S-CLS-15790
IMS-0090#A	S-IOS-00730
IMS-0090#B	S-IOS-00730

Table 5: Links to be deleted between LEVEL_4 and REQ_BY_REL

L3 ID	L4 ID
IMS-0120#A	S-CLS-13260
IMS-0110#A	S-CLS-13265
IMS-0110#A	S-CLS-13300
IMS-0415#A	S-CLS-13300
IMS-0500#A	S-CLS-13300